

Product datasheet for **TA504290AM**

FMRP (FMR1) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OT11C6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OT11C6
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human, Dog, Rat, Monkey, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 36-279 of human FMR1(NP_002015) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	71 kDa
Gene Name:	FMRP translational regulator 1
Database Link:	NP_002015 Entrez Gene 14265 Mouse Entrez Gene 24948 Rat Entrez Gene 481070 Dog Entrez Gene 700138 Monkey Entrez Gene 2332 Human Q06787



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Background: The protein encoded by this gene binds RNA and is associated with polysomes. The encoded protein may be involved in mRNA trafficking from the nucleus to the cytoplasm. A trinucleotide repeat (CGG) in the 5' UTR is normally found at 6-53 copies, but an expansion to 55-230 repeats is the cause of fragile X syndrome. Expansion of the trinucleotide repeat may also cause one form of premature ovarian failure (POF1). Multiple alternatively spliced transcript variants that encode different protein isoforms and which are located in different cellular locations have been described for this gene. [provided by RefSeq, May 2010]

Synonyms: FMRP; FRAXA; POF; POF1; POFX

Protein Families: Druggable Genome